AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A ~~M~~method ~~to have~~of a real time data communication between a first user ~~(U1)~~ of a source ~~(S)~~ and a second user ~~(U2)~~ of a destination ~~(DT) via~~ at least partly via a real time data transport protocol over Internet Protocol communication network, said method comprising:

transmitting by ~~a transmitting means (TR) of~~ said source ~~(S)~~ at least two packets ~~(T1, T2, T3, T4)~~ to said destination ~~(D)~~; and

determining by ~~a receiving means (REC) of~~ said destination ~~(D)~~ for each one ~~(T2)~~ of said at least two packets ~~(T1, T2, T3, T4)~~, time information ~~(T2_t2)~~ related to a receiving time ~~(t2)~~ of said packet ~~(T2)~~,

wherein said method further comprises:

applying by said ~~transmitting means (TR)~~ source, for each one ~~(T2)~~ of said at least two packets, ~~(T1, T2, T3, T4)~~ a predefined packet length ~~(l2)~~ out of a plurality of packet lengths ~~(l1, l2, …, li) in order to be transmitted according to said transmitting step~~; ~~and~~

determining ~~by a first determining means (DET1)~~, according to ~~each~~ said time information ~~(T1_t1, T2_t2, T3_t3, T4_t4) associated to said at least two packets (T1, T2, T3, T4) of said receiving means (REC),~~ and according to each said predefined packet length ~~(l1, l2, l3, l4) associated to said at least two packets~~, characteristics of a first

relation ~~(f1(T, α))~~ between a packet length of a packet to be transmitted from said source ~~(S)~~ to said destination ~~(D)~~ and a source to destination delay ~~(d-S2D) being~~which is a time period between said transmission of said packet by said source ~~(S)~~ and reception of said packet by said destination ~~(D)~~; ~~and~~

determining ~~by a second determining means (DET2)~~ a preferred mouth to ear delay ~~(d-M2E-pref)~~ according to a preferred quality rating ~~(Q-pref)~~ for said real time data communication; and

determining ~~by a third determining means (DET3)~~ an optimal packet length ~~(l-opt)~~ for said preferred mouth to ear delay ~~(d-M2E-pref)~~ and according to said characteristics of said first relation ~~(f1(T, α)) in order to be applied by said source (S)~~ for packets being transmitted during said real time data communication.

2. (Currently Amended) The method according to claim 1, ~~characterized in that~~wherein said step of determining ~~by said third determining means (DET3)~~ said optimal packet length further comprises determining said optimal packet length ~~(l-opt)~~ also according to characteristics of a second function ~~f2(Tenc, Rcod))~~, said characteristics of said second function ~~f2(Tenc, Rcod))~~ being determined ~~and provided by a fourth determining means (DET4)~~ according to a relation between a packet length and an intrinsic source ~~(S)~~ delay.

3. (Currently Amended) The method according to claim 1, ~~characterized in that~~wherein said characteristics of said first relation are determined by a first determining means and said optimal packet length is determined by a third determining means, and wherein said method further comprises a step of providing said characteristics of said first relation ~~(f1(T,α))~~

from said first determining means ~~(DET1)~~ to said third determining means ~~(DET3)~~ by using reports of a real time transport protocol ~~(RTP)~~ control protocol ~~(RTCP)~~.

4. (Currently Amended) The method according to claim 1, ~~characterized in by~~further comprising the steps of tuning said preferred quality rating during said real time data communication, repeating said steps of said method and determining thereby ~~according to said step of determining by a third determining means an optimal packet length,~~ an adapted optimal packet length ~~(l opt') in order~~ to be applied by said source for packets being transmitted during a following part of said real time data communication.

5. (Currently Amended) A ~~S~~source ~~(S)~~ for use by a first user ~~(U1)~~ to ~~have a communication~~ communicate at least partly via a real time data transport protocol over Internet Protocol communication network ~~(IP)~~ with a second user ~~(U2)~~ of a destination ~~(D) coupled to said source (S)~~, said source comprising a ~~transmitting means (TR) to transmit~~transmitter which transmits at least two packets ~~(T1, T2, T3, T4)~~ to said destination ~~(D)~~ in order to enable a ~~receiving means (REC) of~~receiver at said destination ~~(D)~~ to determine, for each one ~~(T2)~~ of said at least two packets ~~(T1, T2, T3, T4)~~, time information ~~(T2, t2)~~ related to a receiving time ~~(t2)~~ of said each one packet ~~(T2)~~, wherein

said ~~transmitting means (TR) is enabled to apply~~transmitter uses for each ~~one (T2) of said at least two~~ packets ~~(T1, T2, T3, T4)~~ a predefined packet length ~~(l2)~~ out of a plurality of packet lengths ~~(l1, l2, …, li) in order to be transmitted accordingly~~, and

said source ~~(S) further comprises a first interface (IN1) to interface with a third determining means (DET3) and to receive~~is responsive to an optimal packet length input to apply an optimal packet length ~~(l opt) to be applied by said source (S)~~ for packets being transmitted

during said real time data communication, said optimal packet length ~~(l-opt)~~ being determined ~~by said third determining means (DET3) for~~in accordance with a preferred mouth to ear delay ~~((d-M2E-pref) being provided by a second determining means (DET2)~~ and ~~according to~~in accordance with characteristics of a first relation ~~(f1(T,α)) being provided by a first determining means (DET1), said characteristics of said first relation (f1(T,α) which is a relation~~ between a packet length of a packet to be transmitted from said source ~~(S)~~ to said destination ~~(D)~~ and a source to destination delay ~~(d-S2D) being~~which is a time period between ~~said~~ transmission of said packet by said source ~~(S)~~ and reception of said packet by said destination ~~(D)~~, said first relation being determined ~~by said first determining means (DET1)~~ according to time information ~~(T1_t1, T2_t2, T3_t3, T4_t4) being~~ associated ~~to~~with each one of said at least two packets ~~(T1, T2, T3, T4)~~ and according to each said predefined packet length ~~(l1, l2, l3, l4) being~~ associated ~~to~~with said at least two packets ~~(T1, T2, T3, T4)~~, said preferred mouth to ear delay ~~(d-M2E-pref)~~ being determined ~~by said second determining means (DET2)~~ according to a preferred quality rating ~~(Q)~~ for said real time communication.

6. (Currently Amended) The source ~~(S)~~ according to claim 5, ~~characterized in that said source~~ further ~~comprises~~comprising a third interface ~~(IN3)~~ to provide ~~to a fourth determining means (DET4)~~ source intrinsic information in order to enable ~~thereby said fourth determining means (DET4) to determine~~ determination of characteristics of a second function ~~f2(Tenc, Rcod)) being~~which is a relation between a packet length and an intrinsic source ~~(S)~~ delay, and to provide said characteristics of said second function ~~f2(Tenc, Rcod)) to said third determining means (DET3), and in order to enable said third determining means (DET3) to~~

~~determine~~for use in determining said optimal packet length ~~(l-opt)~~ also according to said characteristics of said second function ~~(f2(Tenc, Rcod))~~.

7. (Currently Amended)The source ~~(S)~~ according claim 5, ~~characterized in that~~wherein said source ~~(S)~~ comprises ~~any one of said second determining means (DET2) and said third determining means (DET3)~~means for determining at least one of said optimal packet length and said preferred mouth to ear delay.

8. (Currently Amended) The source ~~(S)~~ according to claim 6, ~~characterized in that~~wherein said source ~~(S)~~ comprises ~~said fourth determining means (DET4)~~means for determining said characteristics of said second function.

9. (Currently Amended) A destination ~~(D)~~ for use by a second user ~~(U2)~~ to ~~have a communication~~communicate at least partly via a real time data transport protocol over Internet Protocol communication network ~~(IP)~~ with a first user ~~(U1)~~ of a source ~~(S) coupled to said destination (D)~~, said destination ~~(D)~~ comprising ~~receiving means (REC) to receive~~ a receiver which receives at least two packets ~~(T1, T2, T3, T4)~~ from said source ~~(S)~~ in order to determine for each one ~~(T2)~~ of said at least two packets ~~(T1, T2, T3, T4)~~ time information ~~(T2_t2)~~ related to a receiving time ~~(t2)~~ of said each one packet ~~(T2)~~, wherein:

for each one ~~(T2)~~ of said at least two packets ~~(T1, T2, T3, T4)~~ said source applies a predefined packet length ~~(l2)~~ out of a plurality of packet lengths ~~(l1, l2, …, li) is applied by said source (S)~~; and

said ~~receiving means (REC)~~ receiver further comprises ~~a~~an ~~second~~ interface ~~(IN2)~~ to provide ~~to a first determining means~~ said time information ~~(T1_t1, T2_t2, T3_t3, T4_t4)~~ in order to enable ~~said first determining means (DET1) to determine~~determination, according to each said

time information ~~(T1_t1, T2_t2, T3_t3, T4_t4)~~ associated ~~to~~with said at least two packets ~~(T1, T2, T3, T4)~~, and according to each said predefined packet length ~~(l1, l2, l3, l4)~~ associated ~~to~~with said at least two packets ~~(T1, T2, T3, T4)~~, characteristics of a first relation ~~(f1(T, α))~~ between a packet length of a packet to be transmitted from said source ~~(S)~~ to said destination ~~(D)~~ and a source to destination delay ~~(d-S2D) being~~which is a time period between said transmission of said packet by said source ~~(S)~~ and reception of said packet by said destination ~~(D)~~; and in order to enable ~~a third determining means (DET3) to determine~~determination of an optimal packet length ~~(l-opt)~~ for a preferred mouth to ear delay ~~(d-M2E-pref)~~ according to said characteristics of said first relation ~~(f1(T, α))~~ and to enable thereby said source terminal to apply said optimal packet length ~~(l-opt)~~ for transmission of packets of said real time data communication ~~(C)~~, said preferred mouth to ear delay ~~(d-M2E-pref)~~ being determined ~~by a second determining means (DET2)~~ according to a preferred quality rating ~~(Q-pref)~~ for said real time data communication.

10. (Currently Amended) The destination ~~(D)~~ according to claim 9, ~~characterized in that~~wherein said destination ~~(D)~~ further comprises ~~said first determining~~ means ~~(DET1)~~ for determining said characteristics of said first relation.

11. (Currently Amended) A communication network ~~**characterized** in that~~wherein said network comprises a source ~~(S)~~ according to claim 5.

12. (Currently Amended) A communication network ~~characterized in that~~wherein said network comprises a destination ~~(D)~~ according to claim 9.